I CLAIM:

1. A firearms cartridge, comprising:

a casing;

a primer;

a propellant; and

at least one projectile having a density of at least 10 g/cc, wherein the projectile is formed by compressing a composition of matter that includes a tungsten-containing powder and a binder that includes a metallic binder component and a non-metallic binder component.

2. The cartridge of claim 1, wherein the at least one projectile has a density of at least 10.5 g/cc.

3. The cartridge of daim 2, wherein the at least one projectile has a density of at least 12 g/cc.

4. The cartridge of claim 1, wherein the projectile further includes a coating.

5. The cartridge of claim 4, wherein the projectile further includes a jacket.

- 6. The cartridge of claim 1, wherein the cartridge is a shot shell.
- 7. The cartridge of claim 6, wherein the cartridge includes a plurality of projectiles in the form of shot.
- 8. The cartridge of claim 1, wherein the cartridge is adapted to be fired from a firearm having a barrel with rifling, and further wherein the at least one projectile is a single projectile in the form of a bullet.
 - 9. The cartridge of clarm 8, wherein the bullet is jacketed.
 - 10. The cartridge of ϕ laim 8, wherein the bullet is frangible.
 - 11. The cartridge ϕ f claim 8, wherein the bullet is infrangible.
 - 12. The cartridge of claim 8, wherein the bullet is ferromagnetic.
- 13. The cart sidge of claim 8, wherein the bullet is not ferromagnetic.
- 14. The cartridge of claim 1, wherein the tungsten-containing powder has a density of at least 15 g/cc.

- 15. The cartridge of claim 14, wherein the tungsten-containing powder has a bulk density of less than the density of pure tungsten.
- 16. The cartridge of claim 1, wherein the tungsten-containing powder includes ferrotungsten powder.
- 17. The cartridge of claim 1, wherein the tungsten-containing powder includes a tungsten alloy powder.
- 18. The cartridge of claim 1, wherein the metallic binder component includes a tin-containing powder.
- 19. The cartridge of claim 18, wherein the tin-containing powder includes at least 50 wt% tin.
- 20. The cart dige of claim 19, wherein the tin-containing powder includes at least 70 wt% tin.
- 21. The cartridge of claim 1, wherein the metallic binder component constitutes less than 30 wt% of the at least one projectile.

- 22. The cartridge of claim 21, wherein the metallic binder component constitutes less than approximately 25 wt% of the at least one projectile.
- 23. The cartridge of claim 1, wherein the non-metallic binder component includes a polymeric binder component.
- 24. The cartridge of claim 23, wherein the polymeric binder component includes a water-actuated polymer.
- 25. The cartridge of claim 23, wherein the polymeric binder component includes a heat-actuated polymer.
- 26. The cartridge of claim 23, wherein the polymeric binder component includes a pressure-actuated polymer.
- 27. The cartridge of claim 23, wherein the polymeric binder component includes an epoxy.
- 28. The cartridge of claim 27, wherein the polymeric binder component includes a flexible epoxy.

- 29. The cartridge of claim 27, wherein the polymeric binder component includes a rigid epoxy.
- 30. The cartridge of claim 27, wherein the polymeric binder component includes a flexible epoxy and a rigid epoxy.
- 31. The cartridge of claim 27, wherein the polymeric binder component includes a first polymer having a first composition and at least a second polymer having a composition different than the first composition.
- 32. The cartridge of claim 23, wherein the polymeric binder component comprises less than approximately 10 wt% of the projectile.
- 33. The cartridge of claim 32, wherein the polymeric binder component comprises less than approximately 5 wt% of the projectile.
- 34. The cartridge of claim 1, wherein the non-metallic binder component comprises less than approximately 10 wt% of the projectile.
- 35. The cartridge of claim 1, wherein the projectile further includes a lubricant.

36. The cartridge of claim 1, wherein the composition of matter is not sintered.

37. The cartridge of claim 1, wherein the composition of matter is sintered.

38. A method for manufacturing a medium-density article, the method comprising:

mixing a tungsten-containing powder with a binder powder to form a composition of matter, wherein the binder powder includes a metallic binder component and a non-metallic binder component, and optionally a lubricant;

placing the composition of matter into a die; and compressing the composition of matter to produce an article having a density of at least 8 g/cc.

- 39. The method of claim 38, further comprising the step of actuating the non-metallic binder component.
- 40. The method of claim 38, wherein the non-metallic binder component includes a polymeric binder component.
- 41. The method of claim 40, wherein the polymeric component is a heat-actuated polymeric component.
- 42. The method of claim 40, wherein the polymeric component is a water-actuated polymeric component.

- 43. The method of claim 40, wherein the polymeric component is a pressure-actuated polymeric component.
- 44. The method of claim 38, wherein the metallic binder component includes a tin-containing powder.
- 45. The method of claim 38, wherein the tungsten-containing powder has a bulk density less than the density of pure tungsten.
- 46. The method of claim 38, wherein the compressing step includes compressing the composition of matter to at least 60 ksi.
- 47. The method of claim 46, wherein the compressing step includes compressing the composition of matter to at least 75 ksi.
- 48. The method of claim 38, wherein the method further includes placing the composition of matter into a jacket.
- 49. The method of claim 48, wherein the method includes placing the composition of matter into a jacket prior to the compressing step.

- 50. The method of claim 38, wherein the method includes coating the composition of matter after the compressing step.
- 51. The method of claim 38, wherein the article is a firearms projectile.
- 52. The method of claim 38, wherein the article is a golf club weight.
- 53. The method of claim 38, wherein the article is a radiation shield.
- 54. The method of claim 38, wherein the composition of matter is ferromagnetic.
- 55. The method of claim 38, further including heating the composition of matter without sintering the composition of matter.
- 56. The method of claim 55, further including heating the composition of matter to a temperature that is less than the melting point of the metallic binder component.

- 57. The method of claim 38, wherein the article has a density of at least 10.5 g/cc.
- 58. The method of claim 57, wherein the article has a density of at least 12 g/cc.

59. An unsintered, frangible bullet formed by powder metallurgy, the bullet comprising:

at least approximately 70 wt% of a tungsten-containing powder having a bulk density less than pure tungsten;

less than approximately 25 wt% of a binder that includes a tincontaining powder, wherein the binder is mixed with the tungsten-containing powder and compressed to at least 60 ksi without melting the tin-containing powder; and further wherein the byllet has a density of at least 10.5 g/cc.

- 60. The bullet/of claim 59, further comprising a jacket.
- 61. The bullet of claim 59, wherein the bullet is ferromagnetic.
- 62. The bullet of claim 59, wherein the binder further includes a non-metallic binder component and, optionally, a lubricant.